

**DERWENT-ACC-NO:** 2001-645944

**DERWENT-WEEK:** 200257

*COPYRIGHT 1999 DERWENT INFORMATION LTD*

**TITLE:** Wireless paying device and method for electronic commercial transaction of internet television

**INVENTOR:** KANG, M S; PARK, J Y

**PATENT-ASSIGNEE:** BIOINFOMATIX INC[BIOIN], BIO INFORMATIX INC[BIOIN]

**PRIORITY-DATA:** 1999KR-0048019 (November 1, 1999)

**PATENT-FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 323248 B	February 19, 2002	N/A	000	H04N 007/14
KR 2001044955 A	June 5, 2001	N/A	001	H04N 007/14

**APPLICATION-DATA:**

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR 323248B	N/A	1999KR-0048019	November 1, 1999
KR 323248B	Previous Publ.	KR2001044955	N/A
KR2001044955A	N/A	1999KR-0048019	November 1, 1999

**INT-CL (IPC):** H04N007/14

**ABSTRACTED-PUB-NO:** KR2001044955A

**BASIC-ABSTRACT:**

**NOVELTY** - A wireless paying device and method for an electronic commercial transaction of an internet television is provided to pay a charge of a commodity without inputting a card number directly by providing a card reader device when an electronic commercial transaction is performed using an internet television.

**DETAILED DESCRIPTION** - A micro processor(30) being provided in a wireless terminal devices comprises a CPU(30a), internal memories(30b,30c), an input/output port(36), an A/D converter, and a serial port etc. The micro processor(30) processes input/output of data read in a card reader(32), and controls a mouse and all external devices for modulating an infrared rays and a high frequency signal for communicating with an internet television. Also, the micro processor(30) controls a ROM(30c) having a DES security algorithm and secures input information. As the card reader(32), a magnetic card reader or an IC card reader is provided. The IC card is comprised by contacting a data input/output contact point and a contact point provided in a slot of a wireless terminal device. A wireless communication unit(33) is an infrared rays transmitting device for performing frequency division of a 38-KHz frequency and

connecting to an output terminal of a keyboard by a NAND gate and transmitting an infrared rays signal to an internet television or a wireless communication unit for transmitting data using a frequency of an ISM band. A key input unit and mouse unit(31), the card reader(32), and the wireless communication unit(33) are inputted/output to the input/output port(36) by a control of the micro processor(30) and are inputted/output to the micro processor(30) through an address bus and a data bus.

**CHOSEN-                      Dwg.1/10**  
**DRAWING:**

**TITLE-TERMS:        WIRELESS PAY DEVICE METHOD ELECTRONIC COMMERCIAL**  
**TRANSACTION TELEVISION**

**DERWENT-CLASS: W02**

**EPI-CODES: W02-F08;**

